32227 S/139/61/000/004/022/023 Application of the Doppler effect: E032/E314

the case where the discharge and the emission by the plasma occur in a narrow cylindrical region which contracts or expands under the action of electromagnetic forces. It is shown that by recording the emission at various angles to the axis of the chamber one can investigate, with the aid of the Doppler effect, the directed motion of plasma layers. On the other hand, by measuring the line profiles due to this directed motion one can determine the ion velocity distribution. The simultaneous measurement of the spectral-line profiles of neutral atoms and ions provides interesting information about the effect of the moving ions on the neutral atoms. The optical method appears to be the only possible method for studying the motion of the two types of particles separately. Determination of the temperature from the Doppler profile may lead to incorrect results if the directed motion is not taken into account. The success of these applications of the Doppler effect to the study of directed motion in plasma will depend on the

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Application of the Doppler effect ... E052/E314 S/139/61/000/004/022/023

suitable choice of spectral lines for which other types of broadening can either be included or allowed for. There are 4 figures and 2 Soviet-bloc references.

ASSOCIATION:

IAA imeni Dzerzhinskogo (IAA imeni Dzerzhinskiy)

Moskovskiy energeticheskiy institut (Moscow Power-engineering Institute)

SUBMITTED ?

January 4, 1960 (initially) February 6, 1961 (after revision)

Card 3/3

ACCESSION NR: AP4036569

8/0139/64/0001/002/0136/0141

AUTHORS: Zagoryanskaya, Ye. V.; Kireyev, P. S.

TITLE: The role of interference for electron transmission through a double potential barrier

SOURCE: IVUZ. Fizika, no. 2, 1964, 136-141

TOPIC TAGS: interference, electron transmission, double potential barrier, Fabry Perut etalon, transmission coefficient, reflection coefficient

ABSTRACT: The transmission coefficient for a double potential barrier is computed and compared with that obtained for the analogous problem in optics, the Fabry-Perot etalon. The Fabry-Perot etalon consists of two semitransparent mirrors, each having coefficients of reflection r and transmission T, which are separated by a distance t. For zero incidence angle of light (wavelength λ) on the system the transmission coefficient is

 $T = \frac{I_r}{I_o} = \frac{c^2}{1 + r^2 - 2r\cos{[2kt + 2\delta]}}$

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ACCESSION NR: AP4036569

where $k = 2\pi/\lambda$ and δ is the phase shift of the light reflected from one of the mirrors. It is noted that the maximum value of the transmission coefficient is

$$T_{\text{max}} = \frac{\tau^2}{(1-r)^2} = \frac{(1-r)^2}{(1-r)^2} \equiv 1.$$

The double potential barrier is shown in Fig. 1 on the Enclosure, where the particle energy $E < U_o$. The transmission coefficient for the system is

$$T = \frac{\tau^{2}}{1 + r^{2} - 2r^{2}\cos 2kt + r(1 - r)(e^{2\kappa a} + e^{-2\kappa a})\cos 2kt} + \frac{\tau^{2}}{8\xi(\frac{1}{2} - \xi^{2})r(1 - r)(e^{2\kappa a} - e^{-2\kappa a})\cdot \sin 2kt}$$

which is expressed in terms of the reflection and transmission coefficients of the single potential barrier,

$$1 + \frac{16\xi^{2}}{(1+\xi^{2})^{2}(e^{-\alpha}-e^{-\alpha})^{2}}$$

Card 2/5

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			$x^2 = \frac{2\pi}{2}$	$\frac{(U_{\bullet}-E)}{h^2}$;	•	
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	•		, č =	$\frac{k}{x}$.					
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c	ard 3/5 ·		T 200	$r^2 - 2r^2 \cos 2$	Rie.				
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ACCESSION	NR:	APL036569)

which is only superficially similar to the expression for the optical case. The essential difference is made even more apparent by noting

$$T_{\text{max}} = \frac{(1-r)^2}{(1-r^2)} = \frac{1-r}{1+r} = \frac{1}{1+r} = \frac{1}{2}$$

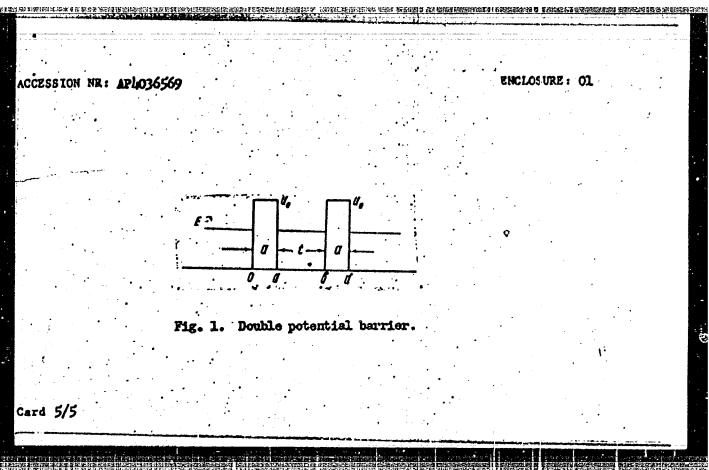
Orig. art. has: 32 equations and 2 diagrams.

ASSOCIATION: Voyenno-inzhenernaya artilleriyskaya akademiya (Military Engineering Artillery Academy); Moskovakiy institut stali i splavov (Moscow Institute of Steel and Alloys)

SUBMITTED: 10Ju162 DATE ACQ: 05Jun64 ENGL: 01

SUB CODE: GP NO REF SOV: 003 OTHER: 000

Card 4/5



ZAGORYANSKAYA, Ye. V.; KIREYEV, P.S.

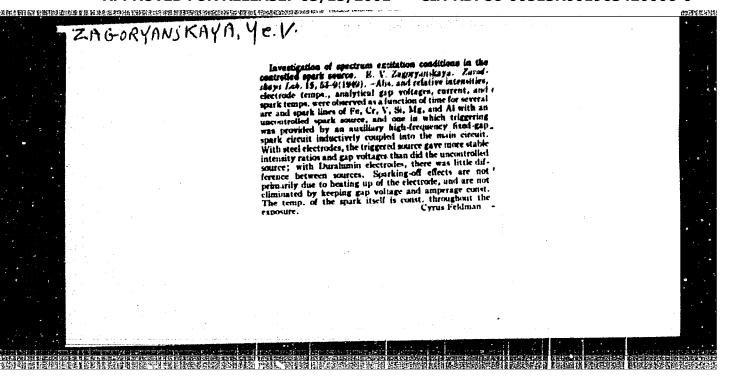
Potential of a linear alternating charge. Izv. vys. ucheb. zav.; fiz. no. 3:12-16 '64. (MIFA 17:9)

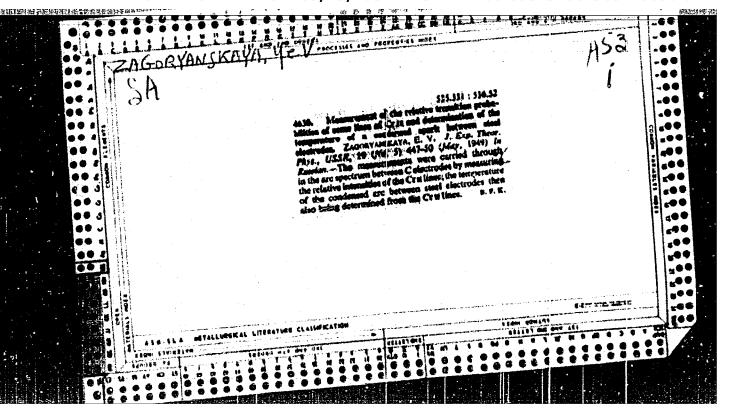
l. Moskovskiy institut stali i splavov Voyenno-inzhenernaya artilleriyskaya akademiyä.

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KIREYEV, Petr Semenovich; ZAGGRYANSKAYA, Yelizaveta Vasil*yevra;
STEHCANOV, A.R., red.; PERKOVSKAYA, T.Ye., red. izd-va;
PAVLOVA, V.A., tekhm. red.

[Molecular spectrum analysis] Molekuliarnyi spektral*nyi analiz.
Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 142 p. (MIRA 15:1)

(Spectrum, Molecular)

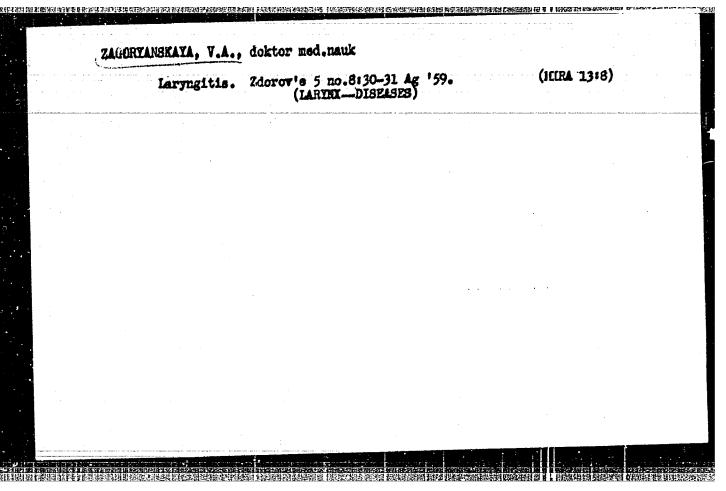
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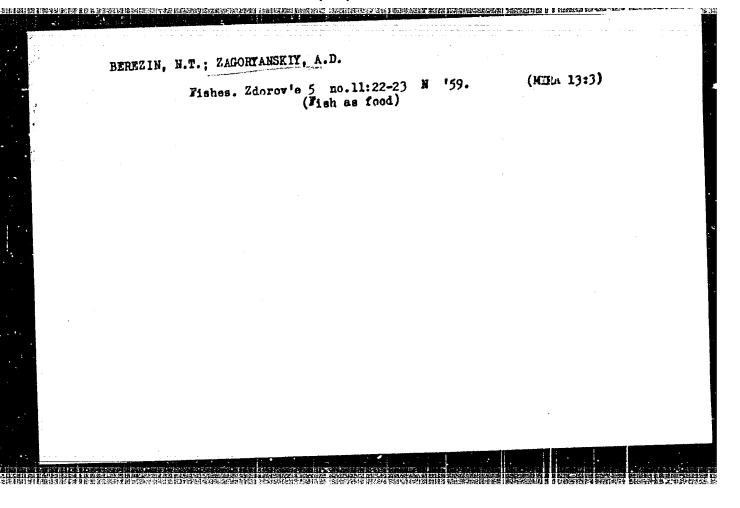
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1. Doctor Medical Sciences. 2. Of the Clinic for Diseases of the Ear, Throat, and Hose (Director-Honored Worker in Science A.I. Fel'dman). Moscow Oblast Scientific-Research Clinical Institute—Central Institute for the Advanced Training of Physicians (Director-V.P. Lebedeva).



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(Electronic calculating machines)

BUSHE, N.A., kand. tekhn. nauk NARSKIKH, I.I., kand. tekhn. nauk; BARAYEV, N.K., aspirant; ZAGORYANSKIY, Yu.A., inzh.

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Methods for measuring the wear of the crankshafts of diesel locomotive engines. Trudy TSNII MPS no.262:73-84 '53.

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ZAGOR'YE, A.M.; ZAKH, R.G.

Burning of natural lignin with increased initial moisture. Gidrolfiz. 1 lesokhim. prom. 18 no.6:6-10 '65. (MIRA 18:9)

E 9701-66 ACC NR: AP5026567

SOURCE CODE: UR/0286/65/000/019/0131/0131

。 1915年 - 1917年 - 191

AUTHOR: Zagor'ye, B. A.

ORG: none

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TITLE: A device for hoisting small craft to the deck of a ship-base and lowering them to the water. Class 65, No. 175407

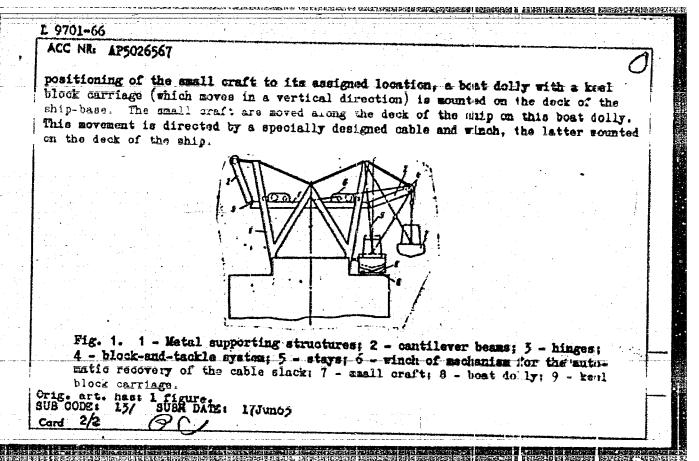
SOURCE: Byulleten' izobrateniy i tovarnykii znakov, no. 19, 1965, 151

TOPIC TAGS: boat, elevating gear, safety device, water traffic

ABSTRACT: This Author Certificate presents a device for hoisting small craft onto the deck of a ship-base and for lowering them into the water. The device includes metal supporting structures with cantilever beams hinged to joints, and a block-and-tackle system with a cable passing through the blocks of the tackle. The device is intended to increase the safety of lifting and lowering craft under rough sea conditions. The block-and-tackle system is made with stays of a fixed length, festered to upper points of the inclined masts of the metal structures. These structures are displaced toward the diametric plane of the ship-base in reference to the diametric plane of the small craft. The stays take on part of the weight of the small craft during its acting on the deck of the ship-base and while lowering it from the deck. This is accomplished with the simultaneous cleansing or recovering of the cables (passing through the blocks of the tackle) by winches which automatically recover the slack. To mechanize the

Card 1/2

WC: 629,125,65



RAEOIH, Ya. [Raboch, J.], ZAGORZH, Z. [Zahor, Z], FAYES, Ch. [FEIX, C], (Praga)

Testicular biopsy in endocrine disorders [with summary in English].

Probl.sndok., 1 gorm. 4 no.3:78-37 Ky-Je '58 (MIRA 11:8)

1. Is Sekcologicheskogo instituta (dir. - prof. Y.Giniye), II-go
Patologoanatomicheskogo instituta (dir. - prof. Y.Fedlichka) 1 2-y
Patologoanatomicheskogo instituta (dir. - prof. Y.Fedlichka) 1 (Testicular patology, pathology, biopsy in endocrine dis. (Rus))

(KMDOCRIER DISEASES, pathology, testicular biopsy (Rus))

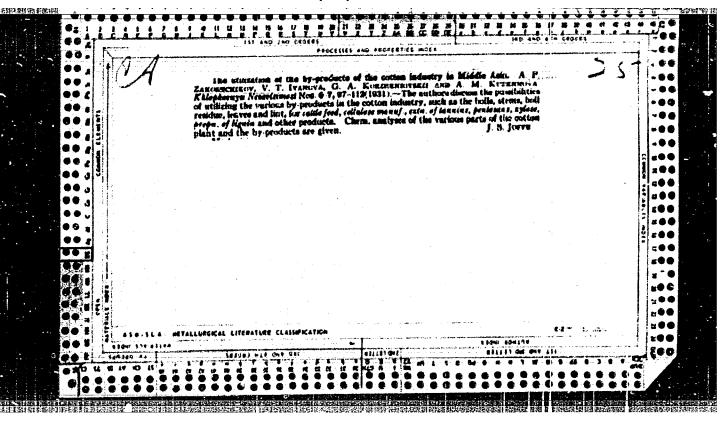
ZAGOSKINA, M.A.

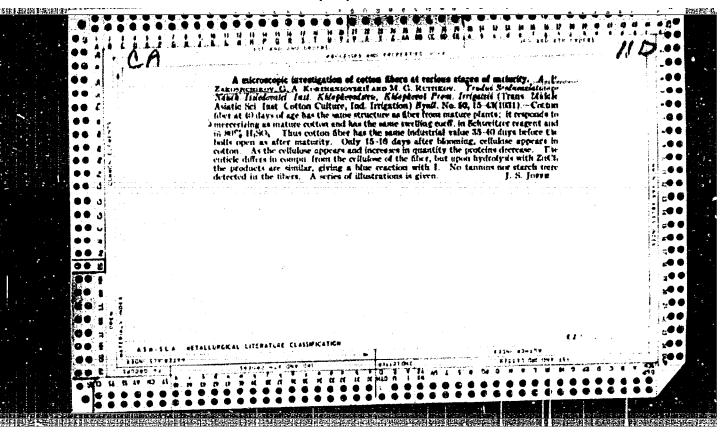
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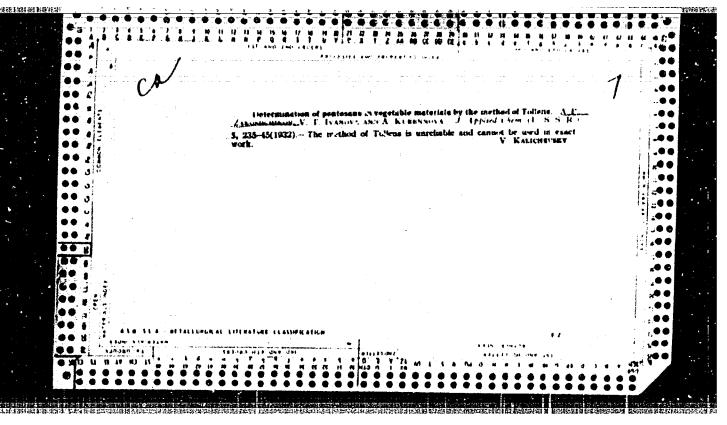
Complications with reference to the nervous system following inoculations for rabies. Shor. trud. Rursk. gos. med. inst. no.13: 226-230 '58. (MIRI 14:3)

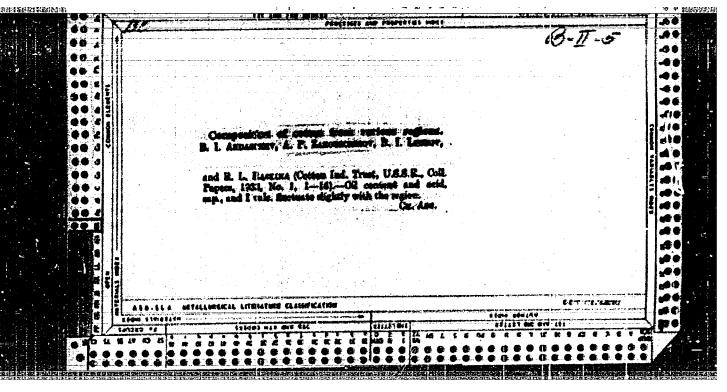
1. Is kliniki nerviykh bolezney (zav. - prof. N.I.Golik) Kurskogo gosudarstvennogo meditsinskogo instituta i antirabicheskogo otdeleniya (zav. - I.I.Postolenko) Kurskoy oblsanepidstantsii.

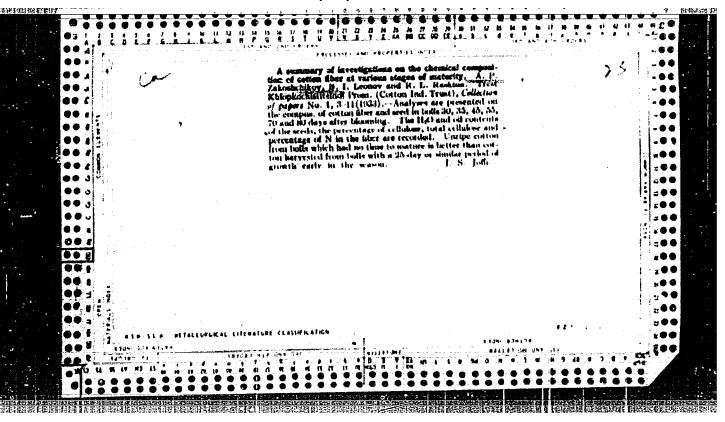
(NERVOUS SYSTEM_DISEASES) (RABIES)

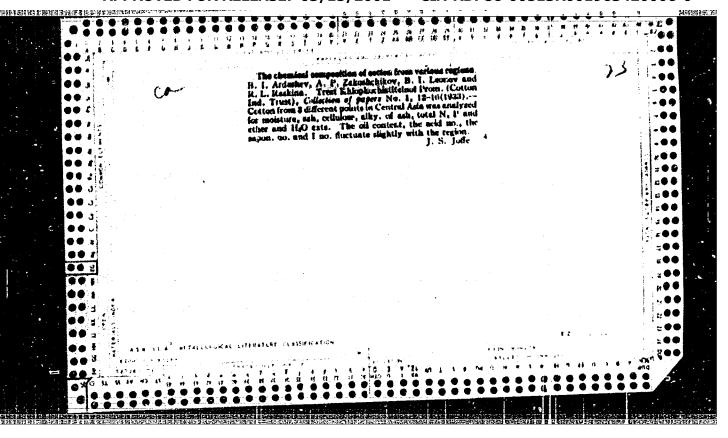


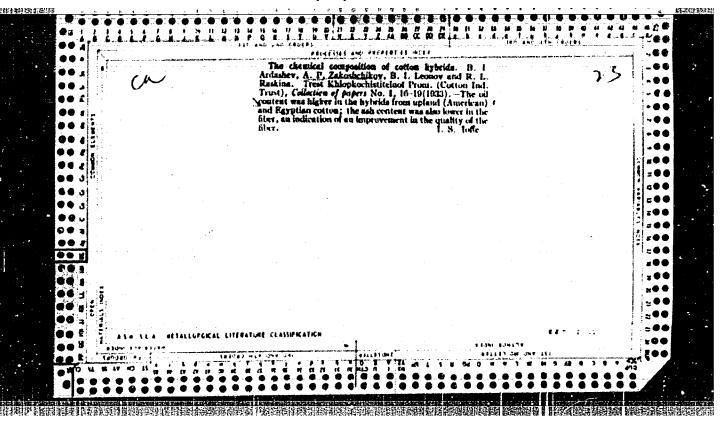


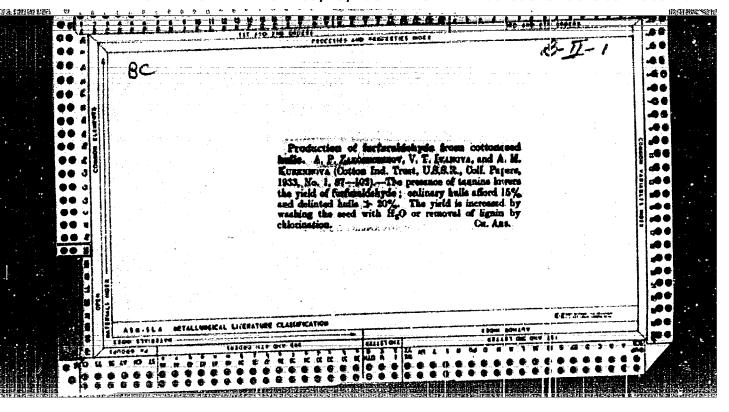


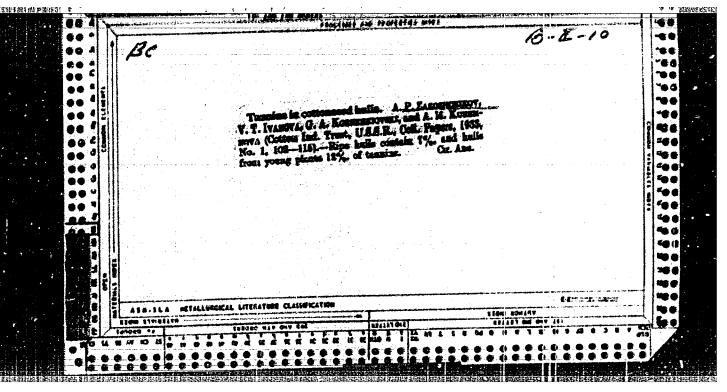


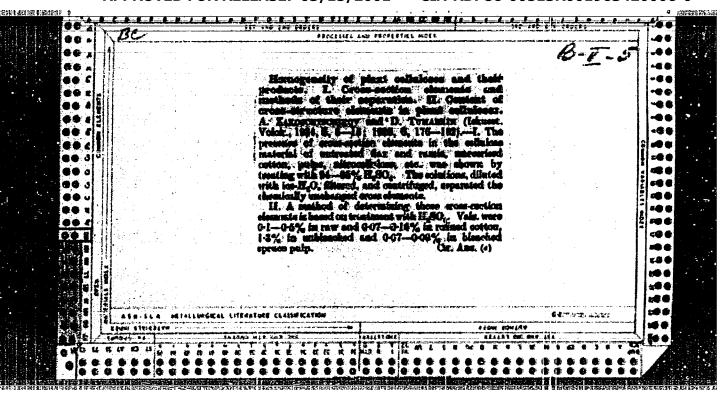


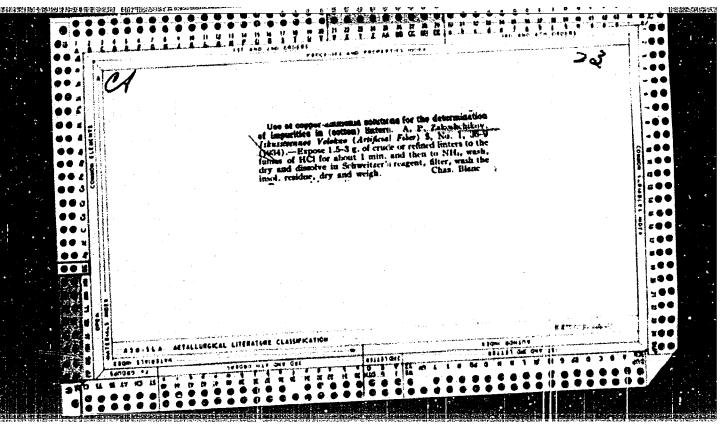


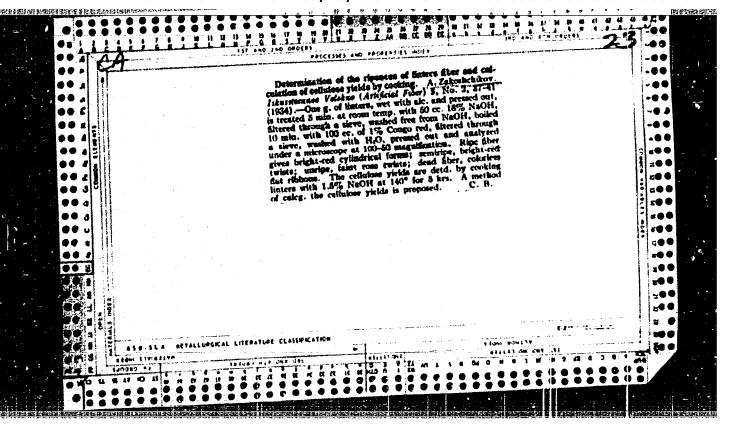


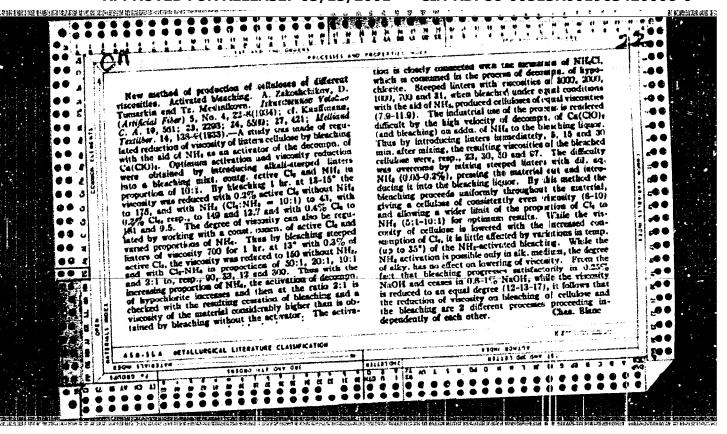


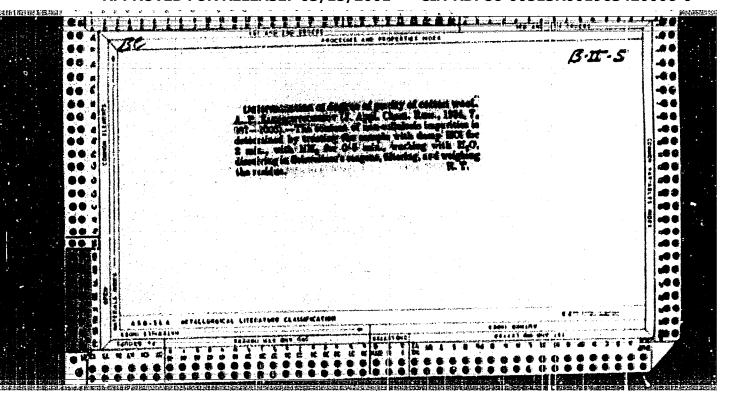


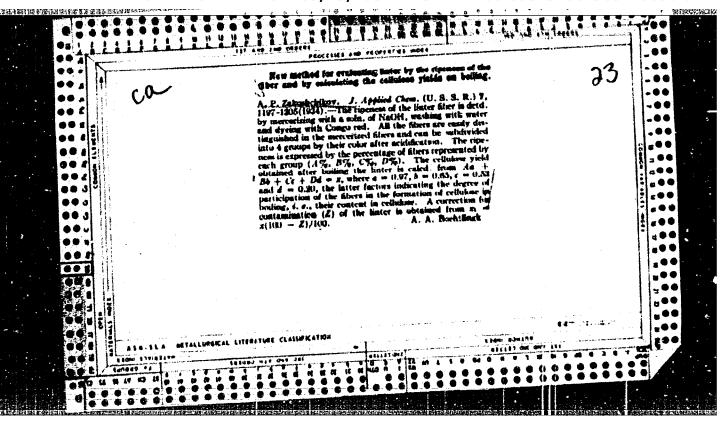


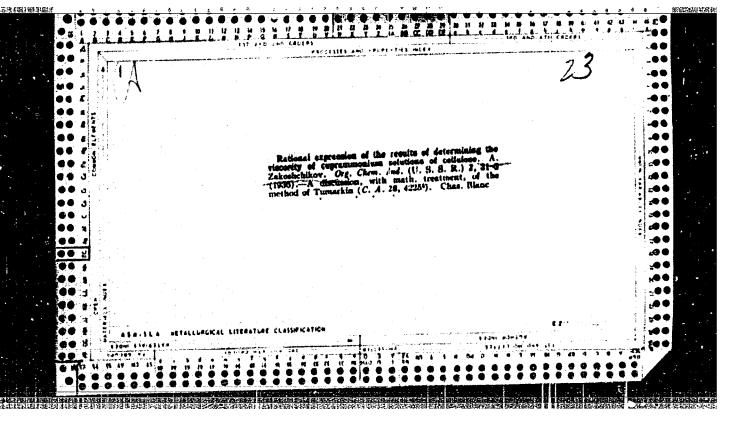


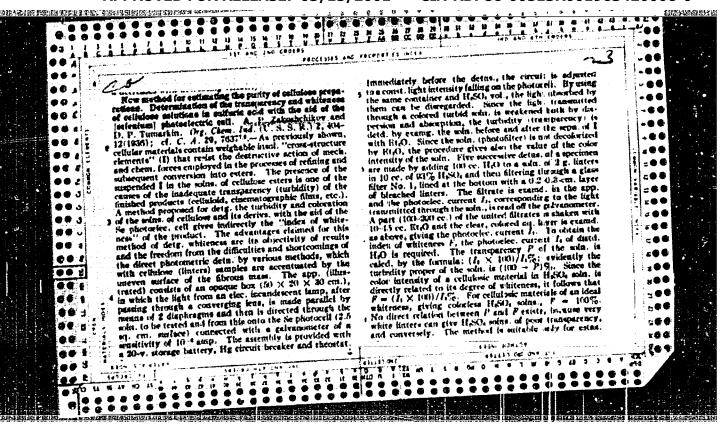






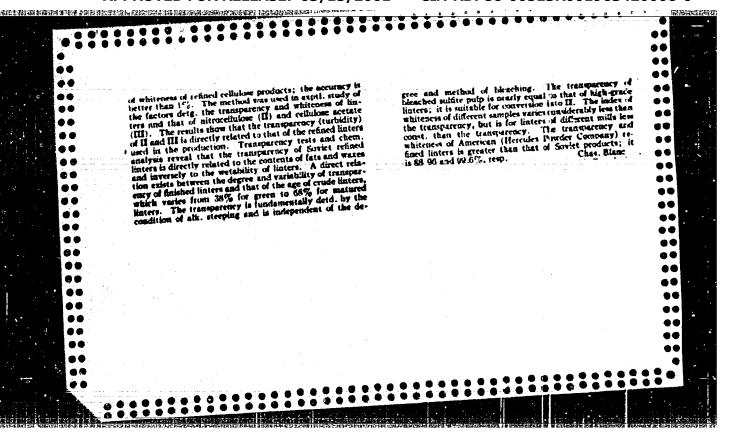


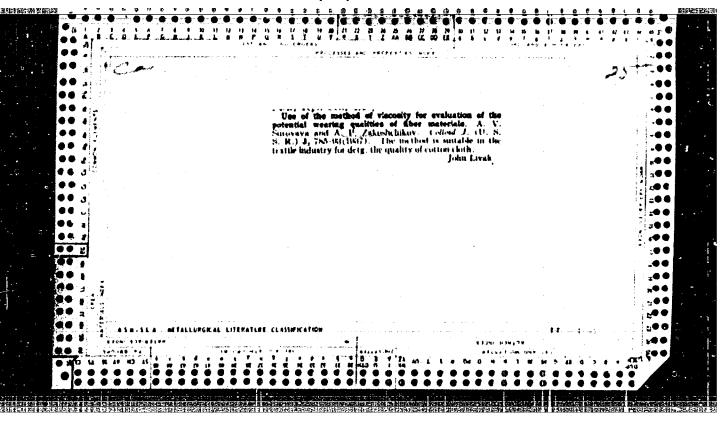


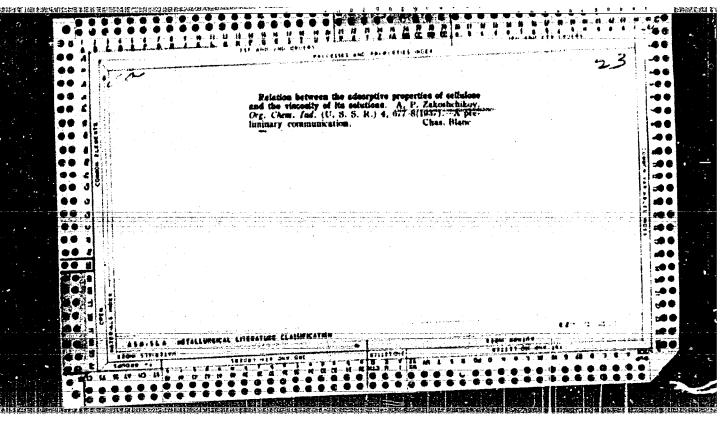


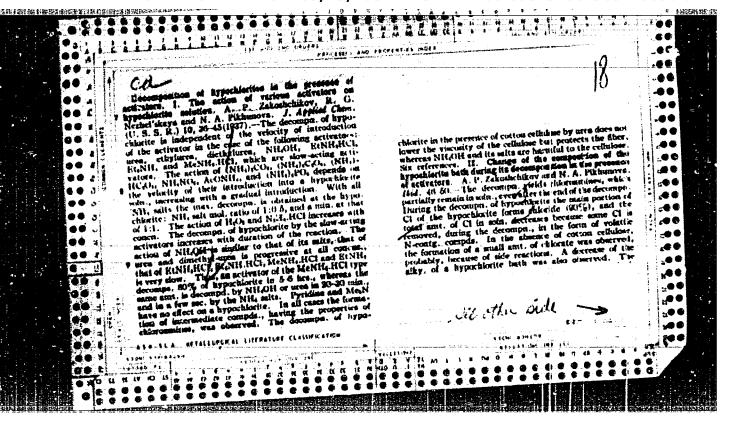
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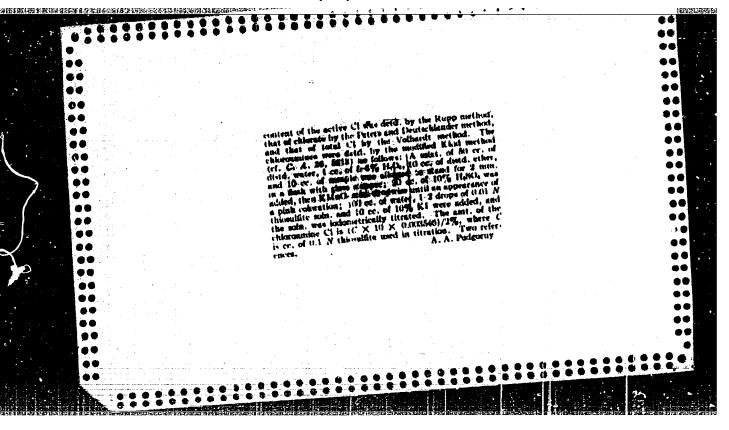
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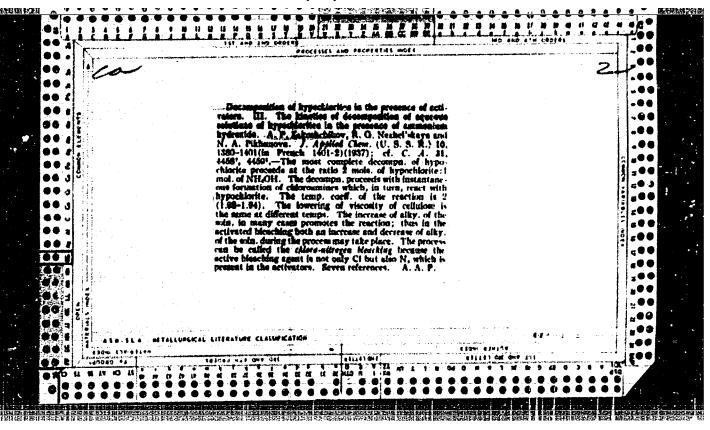


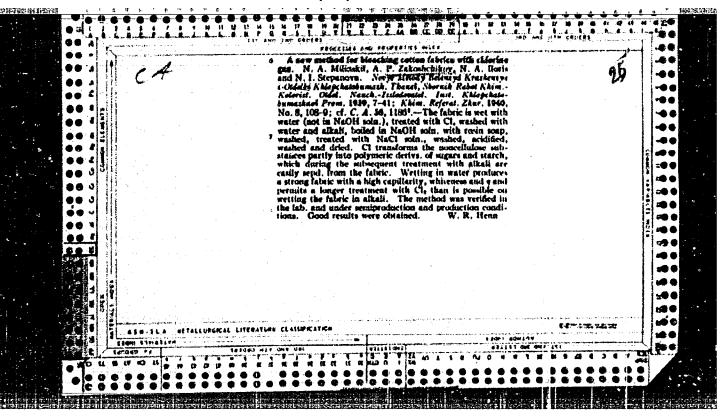


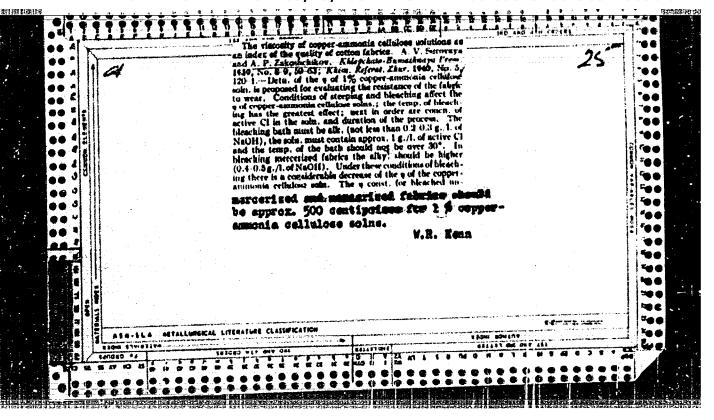


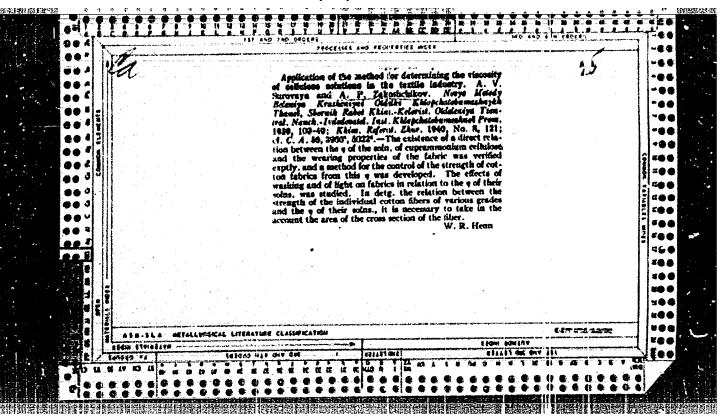


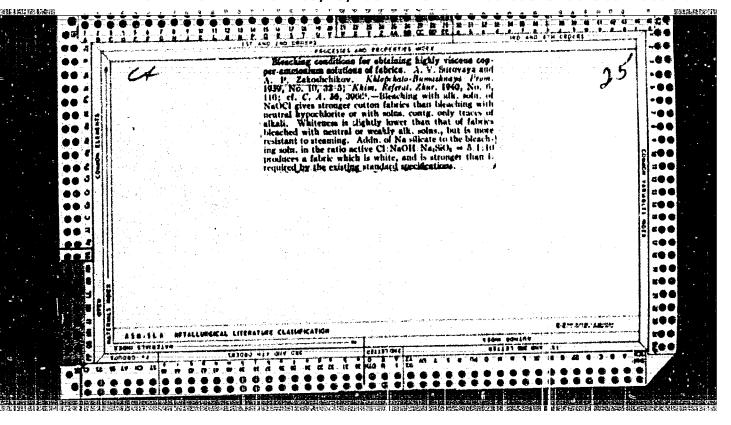


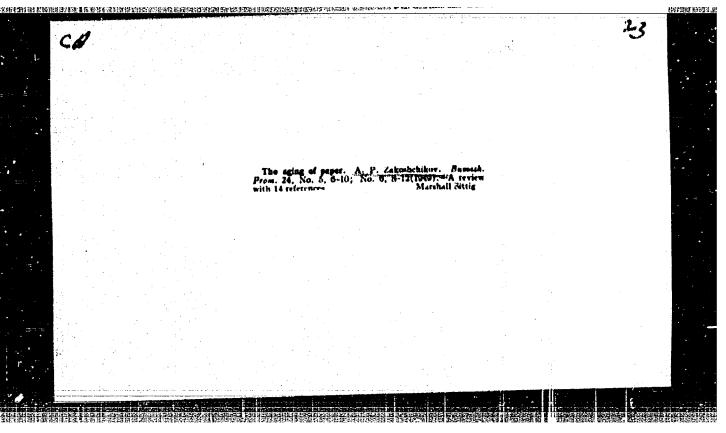












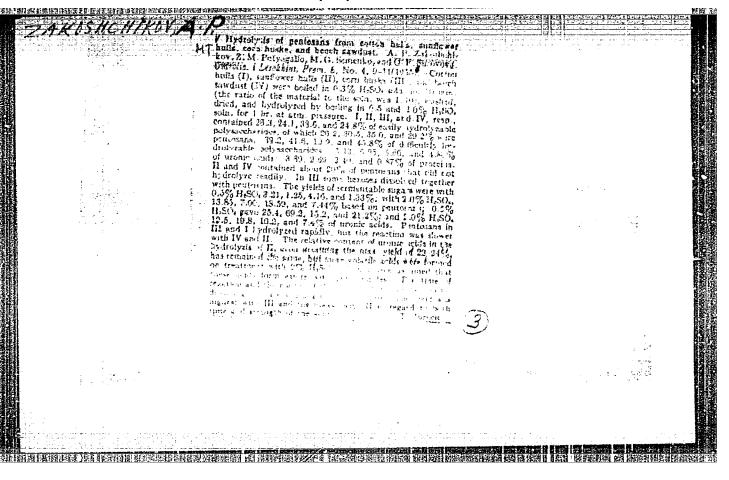
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- 2. UBSR (600)
- 4. Paper Industry
- 7. Effect of the degree of polymerization of pulp on its characteristics in the hollander process. Bum. prom. 27, No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

AGEYEV, L.H.; KOROL'KOV, S.I.; ZAKOSHCHIKOV, A.P., redaktor; VOL-KHOVER, R.S., tekhnicheskiy redaktor.

[Chemical and technical control and accounting in hydrolyte and sulfite liquor production] Ehimiko-tekhnicheskii komtrol i uchet gidrolizmogo i sul'fitno-spirtovogo proisvodetva. Monkva. Goslesbumisdat, 1953. 403 p. (HERA 7:8)

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"The connection between a technical school and agricultural production is becoming stronger."

Veterinariya, Vol. 37, No. 6, 1386 1960, p. 20

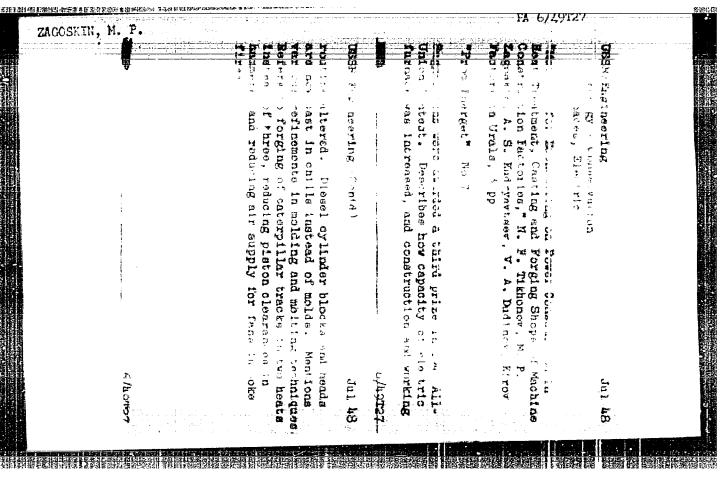
Zagoslein - Deputy Director for Sci. Training

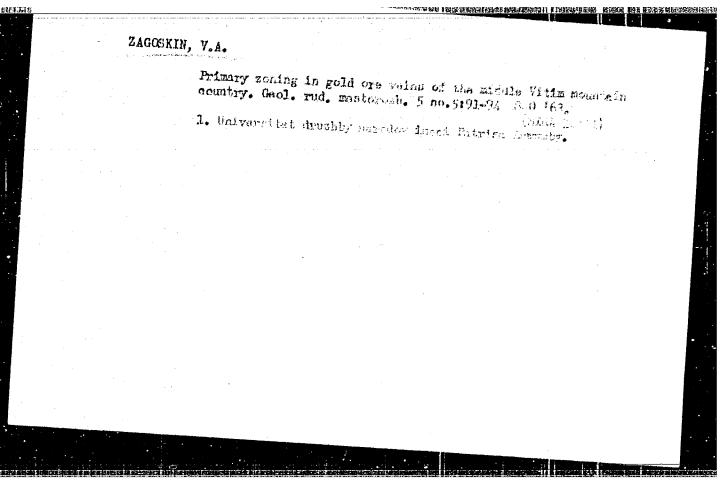
ZAGOSKIN, Layrentiy Aleksandrevich, leytenant; CHERNEHED, M.B., redaktor; MORAMAT, C.A., redaktor; HIOMEVIST, Yo.E., redaktor; VORONTSOVA, A.H., redaktor; GLEVEN, D.A., teknnicheskiy redaktor.

[Voyages and explorations of Lieutenant Layrentii Zagoskin in Shesian America during the period of 1842-1844 Pateshestviia i Saledovaniia Leitenanta Layrentiia Zagoskina v russkey Amerike issledovaniia Leitenanta Layrentiia Zagoskina v russkey Amerike v 1842-1844 gg. Moskva, Gos.izd-vo geogr. lit-ry, 1956, 453 p. (MIRA 9:5)

(Zagoskin, Layrentii Alekseevich, 1807-1890) (North America—Discovery and explorations)

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ZAGOSKIN, V.A.

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(Vitim Plateau-Gold ores)

- 1. ZAGOSKIN, Ye. I., Eng.
- 2. USSR (600)
- 4. Electric Transformers
- 7. Drying transformers with zero sequence current, Elek. sta., 23, No. 10, 1952.

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Screwdriver with flaxible shaft for M5-M3 screws and mate. Stroi.
1 dor. mash. 7 no.3:31-32 Mr '62. (MIRA 15:4)

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KREYNDLIN, L.N., inzh.; ZAGOSKINA, G.V., red.; KOLOMEYER, V.Z., tekhn.red.

[Machine for sawing out hinge seats] Stanok dlie vyoilivaniia gnezd pod petli. Moskva, TSentr.biuro tokhn.informatnii Glavatandartoma, 1959. 12 p. (MIRA 13:1)

1. Giprostandartdom (for Kreyndlin).
(Hinges) (Building-Tools and implements)

SHELUDOHENKO, Ye.M., rei.; ZAGOSKINA, G.V., red.

[Production of particle board] Preizvedstvo drevesnostruzhechnykh plit. Moskva, 1964. 20 p. (MIRA 18:5)

1. Moscow. Teentral nyy nauchosiasledovatel skiy institut informatsii i teknnikosekenomicheskikh issledovaniy po lesnoy, tsellyulcznosbumazhnoy, derevoobrabatyvayushchey promyshlennesti i lesnomu khozyaystvu.

OTLEV, I.A., kend. tekhn. nauk; ZAGOSKINA, G.V., red.

[Pressing particle board in multistory hydraulic presses]
Pressovanie struzhechnykh plit v mnogoetazhnykh gidravlicheskikh pressakh. Moskva, TSentr. nauchno-issl. in-t
informatoii i tekhniko-ekon. issledovanii po lesnoi, tselliulezno-bamazhnoi, derevoobrabatyvaiushchei promyshl. i
lesnomu khoz., 1964. 25 p. (MIRA 18:5)

1. Bryanskiy tekhnologicheskiy institut (for Otlev).

TANSKIY, V.V., insh.; ZAGOSKINA, G.V., red.; SHKNDAREVA, L.V., tekhn.red.

[Making particle board using the pneumatic fractionation of shavings] Proizvodstvo drevesno-strushechnykh plit s pneumatichaskim fraktsionirovaniem strushek. Moskva. TSentr.biuro tekhn.informatsii Glavstandartdoma, 1959.

15 p. (MIRA 13:1)

(Wood, Compressed)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963420006-0"

MREINDLIE, L.N.; DROZDOV, I.Ya.; ZAGOSKIMA, G.V., nauchn.red.;

SHIRIAREVA, L.V., tekhn.red.

[Using fiberboard in building] Primenenis drevesnovoloknistykh plit v stroitel'stve. Moskva, TSentr. in-t
tekhn. informatsii i ekonom. issl. po lesnoi, bunazhnoi i
derevoobrabatyvaiushchei promyshl., 1963. 67 p.
(MIRA 16:10)

(Piberboard)

EPSHTEYN, T.G.; ZAGOSKINA, G.V., red.

[Automatic lines for the veneering of panel-type parts and particle board] Avtomaticheskie linii dlia fanero-vaniia shchitovykh detalei i struzhechnykh plit. Moskva, TSentr. nauchno-iss. in-t informatsii i tekhniko-ekon. issl. po lesnoi, tselliulozno-bumazhnoi, derevo-obrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 39 p. (MIRA 17:9)

1. Vnonoyuznyy nauchno-inaledovateliskiy i konstruktorskiy institut derevoobrabatyvayushchego mashinostroyeniya (for Epshteyn).

BAKHTEYAROV, V.D.; ZAGOSKINA, G.V., red.; SHENDAREVA, L.V., tekhn. red.

出红现有损人恐怕过多产业专业企业公司进程研究实现企业的组工的国际保险的经济发生的资源的经济发生的

[Ways of increasing the yield of wood products and the efficient utilization of wastes] Puti povysheniia vykhoda produktsii iz drevesiny i ratsional nogo ispol'zovaniia otkhodov. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 71 p. (MIRA 16:6) (Wood-using industries) (Wood waste)

SAKHAROV, M.D.; ZAGOSKINA, G.V., red.

[Present-day elements of window blocks for housing construction] Sovremennye konstruktsii okonnykh blokov dlin zhilishchnogo stroitelistva. Moskva, Tšentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledo-vanii po lesnoi, tselliulozno-brazhnoi, derevoobrabaty-valushchoi promyshl. i lesnomu khoz., 1963. 47 p. (MIRA 17:9)

ZAGOSKINA, G.V., red.; SHLUDCHENKO, Ye.M., red.; POSPELOVA, G.L., red.

[Production of particle hoard; based on the materials of the seminars] Proizvodstvo drevesno-struzhechnykh plit; po materialam seminarov. Moskva, TSentr.nauchno-issl. ir.t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 105 p. (MIRA 18:8)

1. Vsesoyuznyy seminar rabotnikov predpriyatiy drevesnostruzhechnykh plit, osnashchennykh otechestvennym oborudovaniyem. 1964.

KOZENKO, A.B.; ZONTOV, A.K.; KOPTSOV, V.S.; FROLOV, A.V., red.; ZAGOSKINA, G.V., red.; SHENDAREVA, L.V., tekhn. red.

[Automated continuous production line for the manufacture of fiberboards] Avtomatizirovannaia potochnaia liniia dlis proizvodstva fibrolitovykh plit. Moskva, TSentr. in-t tekhn.
informatsii i ekon. issl. po lesnoi, bumazhnoi i derewoobrabatyvaiushchei promyshl., 1962. 68 p. (MIRA 16:4)
(Fiberboard) (Assembly-line methods)

ARSEN'YEV, K.K., 'and. tokhn. nauk; MOROZOV, N.A., kand. tokhn. nauk; SHCHEDRO, D.A., inzh.; ZAGOSKINA, G.V., red.

[Pressing of furniture parts from ground wood] Fressovanie mebel'nykh detalei iz izmel'chennoi drevesiny. Moskva, TSentr. nauchno-isal. in-t informatail i ekhniko-ekon. is-sledovanii po lesnoi, teelliulozno-bumashnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 20 p. (MIRA 17:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.

THOUSAIN, G.V.

ERASOVSKIY, S.P., redaktor; ZAGOSKINA, G.V., redaktor; SHENDAREVA, L.V., tekhnicheskiy redaktor

[Manufacture of wood-shaving boards] Proisvodstvo dravesno-strushechnykh plit. Moskva, TSentral'noe biuro tekhn.informateil, 1957, 42 p.

(MENA 10:8)

1. Russia (1923- U.S.S.R.) Ministerstvo bumazhnoy i derevo-obrabatyvayushchey promyshlennosti

(Paperboard)

KOBAL CHUK, L.M., kend. tekhn. nauk; BASKAKIN, Ye.N.; BELOZEPOVA,
A.S.; ZAGOSKINA, G.V., nauchn. red.

至位了特别的一种特别的特别,但在日本代码,并且由代码的,在一个人,不是是一个人,但是一个人,但是一个人,但是一个人,也可以不是一个人,但是一个人,但是一个人,

[Mechanized dovetail gluing of wood] Mekhanizirovannoe skleivanie drevesiny na zubchatyi ship. Moskva, TSentra nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 43 p. (MIRA 17:5)

的。我也不可能的特别。这些是这些的情况,我们就是是我的是我的是我的是我的是我们,我们是我们的一个人,不是我们的这个时间的对象,也可以我们是这些是我们的对于我们的

DADEYEV, V.; ZAGOSKINA, V.

In the struggle for high rank. Prof.-tekh.obr. 18 no.627-28
Jo 161. (HIRA 14:7)

1. Direktor Spetsial'nogo professional'no-tekhnicheskogo uchilishcha No.11 (g. Shuya, Ivanovskoy oblasti) (for Dadeyev). 2. Pomoshchnik direktora po kul'turnovospitatel'noy rabote Spetsial'nogo professional'no-tekhnicheskogo uchilishcha No.11 (g. Shuya, Ivanovskoy oblasti) (for Zagoskina).

(Ivanovo Province—Textile workers)
(Ivanovo Province—Evening and continuation schools)

ZAGOSKINA, Ye.D.; SIKORSKIY, K.P.; VELICHKOVSKIY, Ye.I., red.;
KREKSHINA, L., red. 1zd-va; YAKOVLEVA, Ye., tekhn. red.

[Special aspects of teaching mathematics in grades 5-7 according to the new program; methodological instructions for Moscow teachers] Osobennosti propodavantia matematiki v V-VII klassakh po novoi programms; metodicheskie ukazaniia dlia uchitelei g. Moskvy. Moskva, Mosk.rabochii, 1962. 84 p.

(MIRA 15:7)

1. Moscow. Gorodskoy institut usovershenstvovaniya uchiteley.

(Mathematics—Study and teaching)

ZAGOSKINA, Ye.D.; SIKORSKIY, K.P.; ZEVINA, A.N., otv. red.; VORONHOV,

如此利用现象部间,能够在基础自己的行政的证据对象的证据对象的问题的影響的影響。如此这种形式的影響的影響,所以不知识的影響的可能能够**对现代的现在的影响的影响,如果**

[Recommended mathematics curriculum for the second half of the 1962-1963 school-year (grade 5 to 11)] Primernyi plan raboty po matematike vo vtorom polugodii 1962-1963 uchebnogo goda (V-XI klassy). Moskva, 1963. 83 p. (MIRA 16:8)

1. Moscow. Gorodskoy institut usovershanstvovaniya uchiteley.
2. Direktor Moskovskogo gorodskogo instituta usovershanstvovaniya uchiteley (for Zevina).

(Mathematics--Study and teaching)

ZACOSKIFA, Ye.D.; SIKORSKIY, K.P. (Moskva)

Methodical hints pertaining to the teaching of matheratics in the 5th and 6th graces. Mat. v shkols no. 6:45-53 F-D '50.

(Mathematics—Study and teaching)

(Mathematics—Study and teaching)

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ORIE	ISHAHOV, A., insh.; ZAGOVALKO, H.	
]. 	Excellent track maintenance on our division. Zhel.dor, transp. 36 no.6:65-69 Je 55. (MIRA 12::4)	
	1. Nachalinik Kamyshlovskoy distantsii puti (for Grishanov). 2. Kamyshlovskaya distantsiya puti (for Zagovalko). (Sverdlovsk Province—Railroads—Track)	
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		3

ZAGOVEL'YEV. A.

Toward new success! Prom.koop. 14 no.2:1-3 F '60.
(MIRA 13:5)

1. Predsedatel' pravleniya Rospromaovota.
(Cooperative societies)

	ZAGOVEL'YEV, A.						
		Our important ta	sks. Prom.koop.	13 no.1:1-3 Ja	1 '59• (HIRA 12::	2)	
		1. Predsedatel	pravleniya Rosp (Cooperative	ronsoveta. societies)	\		
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S/076/63/037/003/004/020 B101/B215

AUTHORS: Yermakov, V. I., Smirnov, H. I., and Zagorets, H. A. (Moscow)

Title: Study of solutions by high-frequency methods. Wi. Dispersion directs in electrolyte solutions in a wide

frequency range of the electromagnetic field

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 3, 1963, 544-552

TEXT: A non-resonance circuit (Fig. 4) is suggested for measuring the relaxation effects in electrolytes. Measurements were corduled by party

this equations $\hat{J}_{2} = \frac{1}{2} \hat{K}^{T}_{bm} \hat{J}_{sol} = \hat{J}_{k} \hat{U}_{bm} \hat{V}_{3}, \text{ where } k = \frac{1}{2} \frac{k_{+}}{k_{+}} \hat{k}_{+} \hat{k}_{+} \hat{k}_{+}$

frequencies up to 200 Mc/sec yielded a stepwise course of the curve alectroconductivity versus concentration for KCl. MgCl₂ and /lcl₃. This is explained by steric hindrance effects on reformation of the hydrate complexes with a certain lifetime. Shortlived hydrates are found at Card 1/2

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\$/076/63/037/0011/004/020

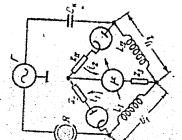
frequencies above 10 cps, whereas below 1 Mc/sec, only the mest stable hydrate shells are observed. There are 8 figures.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mondeleyova (Moscow Institute of Chamical Technelogy imeni

D. I. Mendeleyev)

SULMITTED: November 5, 1961

Fig. 4. Principle of a z-meter circuit with high-frequency compensation; legend: 9 = cell; f = generator.



Card 2/2

EWT(m)/BDS AFFIC/ASD

S/120/63/000/002/037/041

AUTHOR:

Chukichev, M. V. and Zagorets, P.

TITLE:

Using silicon alpha-particle counters for measurements in solutions

PERIODICAL: Pribory i tekanika eksperimenta, March-April 1963, v. 8 no 2

The article describes the recently developed silicon elpha-particle detectors using a surface barrier and a p-n junction. These counters may be used to determine the concentration of alpha active substances in solutions by measuring the intensity of alpha particles leaving the surface of such solutions. Test results are given and show that counter noise is 5 imp/mi, and that the instrument is capable of measuring a concentration of the orde: of $C_{\rm U233}$ = = 1.5·10-6 g/cm³. There are two figures

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut (Mcseov Cremical

Technology Institute)

SUBMITTED:

May 28, 1962

Card 1/1

38/CA

CHUKICHEV, M. W., ZAGORETS, P.A.

Use of silicon alpha-counters for measurements in solutions. Prib. 1 tekh. eksp. 8 no.2:172-173 Mr-ap '63. (Miki 16:4)

1. Moskovskiy khimiko-tekhnologicheskiy institut.
(Nuclear counters)

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AND THE RESIDENCE OF THE PARTY	1
AUTHOR: Zagorete, P. A.; Yermakov, V. I.; Graman, A. P.	
Superior of the state of the st	
echo apparatus SOURCE: Zhurnal fizicheskov khimii, v. 37, no. 6, 1963, 1413-1415	
TOPIC TAGS: high-frequency method, nuclear magnetic resonance method, spin echo apparatus, spin-lattice relexation time, FeCl sub 3 - NH sub 4 F	
ABSTRACT: A method has been proposed for the relative determination of the spin-lattice relaxation time (T sub 1) by means of spin echo technique. The possibility of spine this matter to studies of complexation in solutions has	
possible ty of sample of complex formation in the system FeCl sub 3 h been illustrated on the example of complex formation in the system FeCl sub 3 h HH sub 4 F. Orig. ert. hes: 2 figures.	
ASSOCIATION: Khimiko-tekhnologicheskiy insititut im. D. I. Mendaleyeva	
(Chesical Engineering Institute) SUBMITTIED: 00 DATE ACQ: 16 Jul 63 BUCL 00 SUB CODE: 00 NO REF SOV: 005 OTHER: 002 Card 1/1	

ZAGOREVSKIY, V.; DUDTKINA, N. V.; Prinimala uchastiye MINLIKEYEVA, G. I.

Ring expansion in the reduction of cximes, Zhur. ob. khim. 33
no.1:322-323 °63. (MIRA 16:1)

1. Institut farmakologii i khimioterapii AMN SSSR,

(Oximes) (Reduction, Chemical)

ZAGOREVSKIY, V.A.; ZYKOV, D.A. Series of pyram, its analogs, and related compounds. Part 2: Dialkylaminomethylation of esculetin and 4-methylasculetin. Zhur.ob.khim. 33 no.3:793-797 Kr '63. (MIRA 16:3) 1. Institut farmakologii i khimioterapii AMN SSSR. (Pyran) (Esculetin) (Coumarin)

LEBEDEVA, L.N., assistent; ZAGOVORA, A.V., kand.biolog.nauk; RYAZANTSEVA, N.N.; POGOREL'SKIY, L.G.; GOLUBINTSEVA, A.P., kand.sel'skokhoz.nauk (Novomibirsk); GADZHIYEV, G.E.

Brief reports. Zashch. rast. ot vred. i bol. 6 no.7:56-57 J1 '61.' (MIRA 16:5)

1. Kafedra plodovodstva i zashchity rasteniy Novosibirskogo sel'skokho-zyaystvennogo instituta (for Lebedeva). 2. Ukrainskiy institut rasteni-yevodstva, selektsii i genstiki, Khar'kov (for Zagovora, Ryazantseva).
3. Nachal'nik karantinnoy inspektsii Dagestanskoy ASSR (for Pogorel'... skiy). 4. Zaveduyushchiy mezhrayonnoy biolaboratoriyey, Kubinskiy rayon (for Gadzhiyev).

(Plants, Protection of)

ZAGOVORA, A.V.

Some characteristics of the reproduction of the Hissian fly in the Ukraine. Vop. ekol. 7:61-62 '62. (MIRA 16:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyavodstva, selektsii i genetiki, Khar'kov.

(Ukraine--Hessian flies)

P g use R COUNTRY CATEGORY : GENERAL & SPEO . KOOLOGY . INSECTS Insect and late Posts. ABS. JOUR: Per Zhur - Biologiye, Po.4 , 1959, No. 16269 :Ukrainian Soi. Res. Inst. of Plant Cultivation,*
: number of nessian Flies with wifferent mathods, : Zagovora, A.V. AUTHOR INST. TITLE of Soil Preatment. onia. Pun.: Byul. Ukr. n.-1. in-te rastoniyevodatva, selekta. 1 genet., 1958, No.2, 127-128 ABSTRACT: Experiments were set up in 1955 in Ahner Kovskaya Oblast on a field under winter wheat

ckaya Oblast on a field under winter mean which had suffered radically from Bessian which had suffered radically from Bessian flies: 65.45 of the plants were damaged and there averaged 450 pseudo-cocoons on 1 m. The percentage of flies which flew out with the percentage of flies which flew out with soil disking on 3 - 9 on was 39.9 as compared with the control, with unplowed tillage on with the control, with unplowed tillage with 35 - 40 cm -- 82.75, with plowed tillage with pre-plowing on 24 - 25 cm -- 19.5%. Deep

1/2 *Selection, and Genetics

CALD:

COUNTRY

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CHTEGORY CENERAL SPEC ZOCLOGY INSECTS

ABS. JOUR: Insect and Mita Pests No. 4, 1959, No. 16284

AUTHOR

: Zagorova, A.V.

INST.

TITLE

:Ukrainian Soi. Res. Inst. of Plant Cultivation.

Corn Borer.

orig. Pub.: Byul. Ukr. n.-i. in-ta restenijevodstva,

selekts., 1 genet., 1958, No.2, 129-131

ABSTRACT :According to a 3-year follow-up on corn stalks . 20, 30, and 90 on high the percentage of caterpillars found in Bogodukhovsky Layon was cor-

respondingly 37.4, 48.9, and 67.1, and in Adar kovsky Rayon it was 24.4, 34.5, and 56.2. after reaping of the corn combine for the grain on an average for 2 years there remained a stubble 20, 21 - 50, and 31 0 50 cm high and respectively 17, 56, and 765. For increased effectiveness in the struggle with the corer

CARD:

1/2

*Selection and Genetics

COUNTRY : GENERAL SPEC, ZOOLOGY, INSECTS

ABS. JOUR.: Ref Zhur -Biologiya, Ko. 4, 1959, No. 18804

Author :
INUT. :
TITLE :

ORIG. PUB.:

ABSTRACT :a series of projects is necessary to eliminate it, and the remnants of help, millet, and corn

stalks must on ploudd in. -- A.P. Adrianov

CARD: 2/2

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USSR / General and Special Zoology. Insects.

P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16420

Author : Zagovora A.V.

: Not given Inst

: Injurious Eurygaster on Maize. Title

(Vrednaya cherepashka na kukuruze).

Orig Pub: Zashchita rast.ot vredit. i boleznei, 1957, No 3,

Abstract: No abstract.

Card 1/1

sov/143-58-11-3/16

9(3) AUTHORS:

o

Zagovorskiy, Ye.N., Engineer, and Rumyantsev, Yu.G.,

The Determination of Losses in Enclosed Buscs and Their Engineer

Thermal Calculation

Izvestiya vysshikh uchebnykh zavedeniy, Energetika, TITLE:

1958, Nr 11, pp 21-30 (USSR) PERIODICAL:

Power generators terminal buses have a design which is different from the open buses presently used. Terminal buses of high-capacity generators must meet the ABSTRACT:

following requirements: a) extraordinary high reliability; b) reduction of losses in surrounding steel constructions; c) limiting electrodynamic forces on buses; d) high economic indexes. The simultaneous satisfaction of all these requirements is made difficult, since the known bus designs contradict economic requirements. At electric power plants where the generators are directly connected to the transformers

without intermediate circuit breakers, buses are used having an envelope made of a material different from

Card 1/5

CIA-RDP86-00513R001963420006-0" APPROVED FOR RELEASE: 03/15/2001

SOV/143-58-11-3/16

The Determination of Losses in Enclosed Buses and Their Thermal Calculation

The author explains the posthat used for the buses. sible versions in the design of such buses. There are buses with aluminum envelopes, with non-magnetic steel envelopes and buses with envelopes made of a non-conductive material (asbestos tubes, etc). Several cooling systems may be used for enclosed terminal buses: 1) Enclosed buses where the heat exchange is achieved by natural convection and radiation, are the most reliable, but they require increased spending for non-forrous metals. 2) Enclosed buses with forced aircooling require special protective measures for spending of arcs in case of short circuits and reserve ventilation equipment. Since the air is circulating between the bus and the envelope a dirt precipitation will occur in open cycle cooling systems, while closed cycle systems require an additional air cocler. 3) Liquid cooled bus terminals, using circulating oil or another dielectric cooling agent. The envelope may be reduced in this case, by approximately 30%, resulting

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